

# SE2 Outdoor IR Dome

Ruggedized 2MP dome with HDR and built-in IR, for outdoor applications



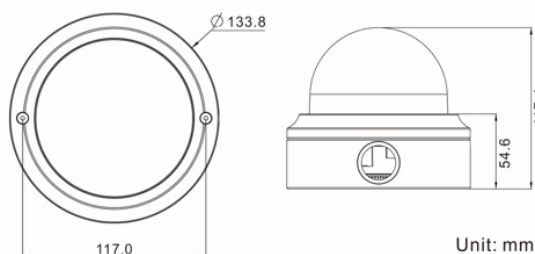
Shown with optional wall mount



Shown with optional sunshield/wall mount



For customers who need to monitor activity in a variety of lighting conditions, from bright light to complete darkness, the **SE2 Outdoor IR Dome** from March Networks® integrates IR LEDs, High Dynamic Range (HDR), a P-Iris, and 2MP resolution to guarantee superior image quality, regardless of lighting. The camera is protected by a rugged, weather-proof (IP66), vandal-resistant (IK10) enclosure, and generates an alert in the event someone attempts to obstruct or move the camera.



## Key Benefits

- ▼ **High Dynamic Range (HDR).** The camera blends the best parts of several separate exposures together to combine the most focused, well-lit, and colorful parts of the scene.
- ▼ **Save money on storage and bandwidth.** The camera's low bit rate (LBR) setting reduces storage and bandwidth usage by 50% or more in most applications; streams can drop below 1Mbps at 2MP (15 fps).
- ▼ **Integrated Smart IR.** The built-in LEDs provide uniform illumination in total darkness, which means users will see high-quality, low-noise video from over 130 feet away. Additionally, the camera automatically adjusts the intensity of the IR LEDs to compensate for the distance of an object, so the object is not overexposed when it gets too close to the camera.
- ▼ **P-Iris.** The enhanced video clarity and depth of field offered by the P-Iris allows objects close to and far away from the camera to remain in focus, simultaneously.
- ▼ **Remote zoom and focus.** No need to manually zoom and focus from the top of a ladder. Installers can zoom in and out remotely with the click of a mouse.
- ▼ **Image is always in focus.** The camera can focus automatically based on zoom position, allowing it to remain in constant focus.
- ▼ **3-axis gimbal.** The camera's pan, tilt and rotation are adjusted by a single mechanism. This allows for single-handed positioning of the camera during installation and simplifies setup.
- ▼ **Hallway mode.** To capture vertically-oriented scenes, such as hallways and corridors, the camera provides a 90° rotation so images are created vertically, maximizing the field of view in narrow situations.

**Get HD video outdoors in any lighting or weather condition, and see images in the dark from over 130 feet away.**

# SE2 Outdoor IR Dome

## CAMERA

<b>Image Sensor</b>	1/3" Progressive Scan CMOS
<b>Effective Pixels</b>	2MP; 1920 (H) x 1080 (V)
<b>Lens</b>	2.7-12mm, F1.8, P-Iris lens
<b>Horizontal Field of View</b>	100° (Wide); 31° (Tele)
<b>High Dynamic Range (HDR)</b>	120dB
<b>True Day/Night (TDN) Functionality</b>	Automatically removable IR cut filter; Smart IR LED
<b>Minimum Illumination</b>	Color: 0.1 lux; B/W: 0.01 lux; 0 lux with IR On
<b>Shutter Speed</b>	1/10000s
<b>Camera Angle Adjustment</b>	Pan 340°, Tilt 80°, Rotation -100° to 100°
<b>Pat/Tilt/Zoom</b>	Optical Zoom, Digital PTZ via Command
<b>White Balance</b>	Manual/Automatic
<b>IR Wavelength</b>	850nm
<b>IR Illumination Distance</b>	131 feet (40m)
<b>Number of LEDs</b>	8 micro LEDs

## VIDEO

<b>Video Compression</b>	H.264, M-JPEG
<b>Resolution</b>	2MP (1920 x 1080), SXGA, 720p, XGA, SVGA, D1, VGA, CIF
<b>Frame Rate</b>	Up to 30fps @ 2MP (1920x1080)
<b>Video Streaming</b>	Up to 4 individually configurable streams in H.264/M-JPEG Configurable resolution/frame rate/bandwidth; LBR/VBR/CBR in H.264
<b>Dual Streams</b>	H.264 2MP (1920 x 1080) @30fps + H.264 1080p @15fps (Shutter WDR Off)
<b>Quad Streams</b>	H.264 2MP (1920 x 1080) @30fps + H.264 1024x768 @30fps + H.264 352x240 @30fps + H.264 352x240 @30fps
<b>HDR Mode (Shutter WDR)</b>	H.264 1080p @15fps + H.264 1080p @15fps
<b>Image Settings</b>	Color, Brightness, Sharpness, Contrast, White Balance, Exposure Control, 2DNR, 3DNR, NR by Motion, Masking
<b>Video Rotation</b>	90° 9:16, 180° 16:9

## AUDIO

<b>Audio Streaming</b>	Two-way
<b>Audio Compression</b>	G.711 PCM
<b>Audio Input/Output</b>	Two-way, Line in/line out

## NETWORK

<b>Security</b>	Password protection, HTTPS encryption (configuration only), IEEE 802.1X
<b>Supported Protocols</b>	IPv4/v6, TCP/IP, UDP, RTP, RTSP, HTTP, HTTPS, DHCP, PPPoE, UPnP, QoS, ONVIF-S
<b>Interface</b>	RJ-45, 10/100Mbps Ethernet
<b>Internet Browser</b>	Internet Explorer (10+)

## SYSTEM INTEGRATION

<b>Physical Alarm I/O</b>	One alarm input, one relay output
<b>Intelligent Video</b>	Video motion detection, active video tampering, privacy zones
<b>Alarm Trigger</b>	Motion detection, video tampering, external input
<b>Alarm Events</b>	Video recording to local storage (SDXC, 64GB support), external output activation

## GENERAL

<b>Construction</b>	Metal casing, plastic trim, polycarbonate bubble
<b>Power</b>	PoE IEEE802.3af, class 0
<b>Power Consumption</b>	2.6W typical Motorized lens: +0.55W IR LED: +4W Heater: +4W ICR switching: +0.5W SD Card: +0.6W
<b>LED Indicator</b>	Power, Act
<b>Connectors</b>	Auto Iris: P-Iris Alarm in (1); Alarm out (1): Terminal Block Ethernet: RJ-45 Audio in: Terminal Block Audio out: Terminal Block
<b>Local Storage</b>	MicroSD/MicroSDHC/MicroSDXC memory card up to 64GB (sold separately)
<b>Auto Iris</b>	P-Iris Drive
<b>Operating Conditions</b>	-67° to 131°F (-55° to 55°C) 10-90% RH, non-condensing
<b>Weatherproof Standard</b>	IP66
<b>Vandal-Proof</b>	IK10
<b>Weight</b>	1.7 lbs (0.76 Kg)
<b>Dimensions</b>	Ø 5.2 x 4.6 H in (Ø 13.4 x 11.7 H cm)
<b>Certification Model</b>	C2102A
<b>Regulatory Approvals</b>	Emissions: EN 55032: FCC Part 15 Subpart B, ICES-003, CISPR 32, AS/NZS CISPR 32 Immunity: EN 50130-4, EN55024 Safety: CSA/UL60950-1, IEC60950-1 (CB report) Environmental: ROHS2, WEEE
<b>Included Accessories</b>	Quick Start Guide; mounting template; mounting hardware

## MOUNTING OPTIONS

 Surface Mount (out-of-box)	 Flush Mount Adaptor	 Wall Mount	 1.5" NPT Sunshield
 1.5" NPT Pendant Mount	 1.5" NPT Wall Mount	 Corner Adaptor	 Pole Adaptor

## ORDERING INFORMATION

<b>CAMERA</b>	
35834-101	SE2 Outdoor IR Dome
<b>ACCESSORIES</b>	
33306	Flush Mount Adaptor
33088	Wall Mount
33285	1.5" NPT Sunshield
HOMINIDOMESMA	1.5" NPT Pendant Mount
HOMINIDOMEWB	1.5" NPT Wall Mount
HOMINIDOMEPMMA	Pole Adaptor
27639	Corner Adaptor